



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

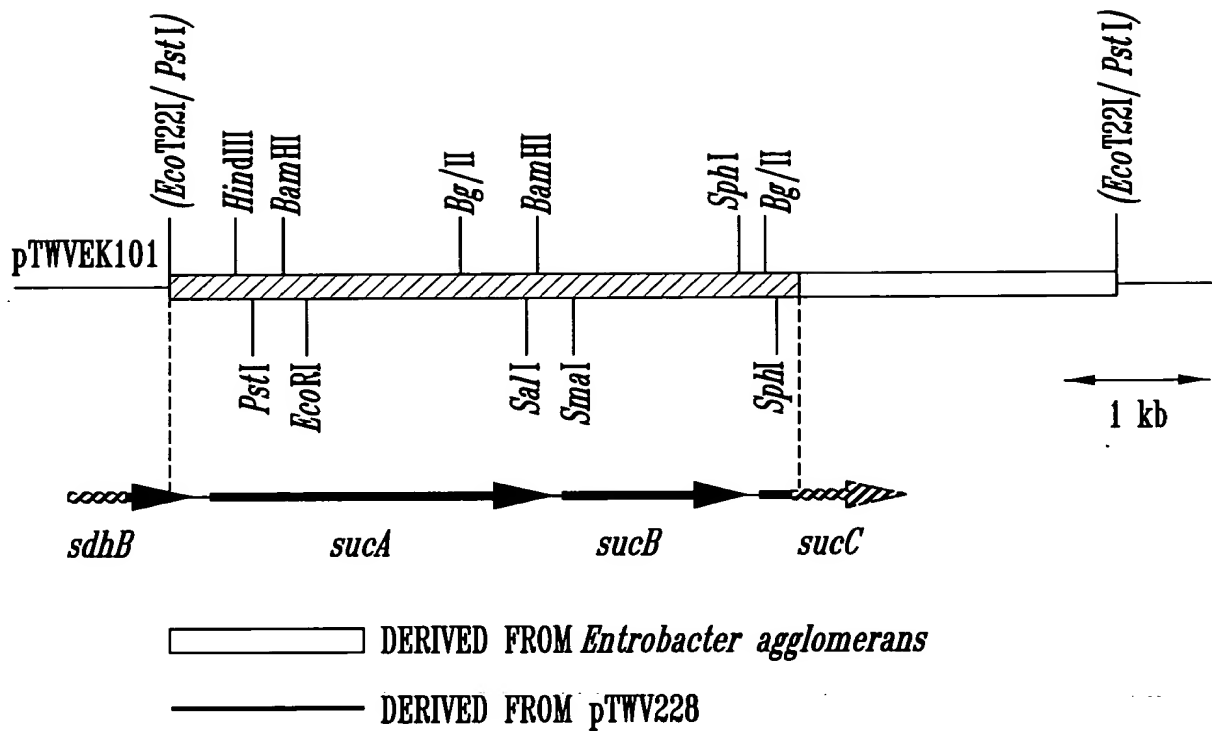
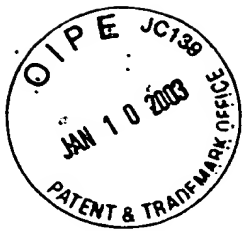


FIG. 1



APPROVED BY	O.G. FIG.	SUBCLASS
	CLASS	DRAFTSMAN

[ 88.0% / 935 aa]

1' MQNSAMKPWLDSSWLAGANQSYIEQLYEDFL TDPDSVDAVWRSMFQQLPGTGVKPEQFHS  
\*\*\*\*\*  
1' MQNSALKAWLDSSYLSGANQSWIEQLYEDFL TDPDSVDANWRSTFQQLPGTGVKPDQFHS  
61' ATREYFRRLAKDASRYTSSVTD PATNSKQVKVLQL INAFRFRGHQEANLDPLGLWKQDRV  
\*\*\*\*\*  
61' QTREYFRRLAKDASRYSS TISDPDTNVKQVKVLQL INAYRFRGHQHANLDPLGLWQQDKV  
121' ADLDP AFHDL TDADFQESFNVGSFAIGKETMKLADLFDALKQTYCGSIGAEYMHINNT EE  
\*\*\*\*\*  
121' ADLDP SFHDL TEADFQET FNVGSFASGKETMKLGELLEALKQTYCGPIGA EYMHITSTEE  
181' KRWIQQRIESGASQTSFSGEEKKGFLKELTAAEGLEKYLGA KFPGAKRFSLEGGDALVPM  
\*\*\*\*\*  
181' KRWIQQRIESG--RATFNSEEKKRFLSEL TAAEGLERYLGA KFPGAKRFSLEGGDALIPM  
241' LREMIRHAGKSGTREVVLGMAHRGRLNVL INVLGKKPQDLFDEFSGKHKEHLGTGDVKYH  
\*\*\*\*\*  
239' LKEMIRHAGNSGTREVVLGMAHRGRLNVL VNLGKKPQDLFDEFAGKHKEHLGTGDVKYH  
301' MGFSSDIETEGGLVHLALAFNPSHLEIVSPVVMG SVRARLDR LAEPVSNKVLPI TIHGDA  
\*\*\*\*\*  
299' MGFSSDFQTDGGLVHLALAFNPSHLEIVSPVVIG SVRARLDR LDEPSSNKVLPI TIHGDA  
361' AVIGQGVVQETLNMSQARGYEVGGTVRIVINNQVGFTTSNPKDARSTPYCTDIGKMLAP  
\*\*\*\*\*  
359' AVTGQGVVQETLNMSKARGYEVGGTVRIVINNQVGFTTSNPLDARSTPYCTDIGKMQAP  
421 IFHVNADDPEAVAFVTRLALDYRNTFKRDVFIDLVCYRRHGHNEADEPSATQPLMYQKIK  
\*\*\*\*\*  
419' IFHVNADDPEAVAFVTRLALDFRNTFKRDVFIDLVS YRRHGHNEADEPSATQPLMYQKIK

FIG. 2A



APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

481' KHPTPRKIYADRLEGEVASQEDATEMVNLYRDALDAGECVVPEWRPMSLHSFTWSPYLN  
\*\*\*\*\*  
479' KHPTPRKIYADKLEQEKVATLEDATEMVNLYRDALDAGDCVVAEWRPMMHSFTWSPYLN  
\*\*\*\*\*  
541' HEWDEYPYPAQVDMKRLKELALRISQVPEQIEVQSRVAKIYNDRKLMAEGEKAFDWGGAEN  
\*\*\*\*\*  
539' HEWDEEYPNKVEMKRLQELAKRISTVPEAVEMQSRVAKIYGDRQAMAAGEKLFDWGGAEN  
\*\*\*\*\*  
601' LAYATLVDEGIPVRLSGEDSGRGTFHHRHAVVHNQANGSTYTPLHHIHNSQGEFKVWDSV  
\*\*\*\*\*  
599' LAYATLVDEGIPVRLSGEDSGRGTFHHRHAVIHNSNGSTYTPLQHIHNGQGAFRVWDSV  
\*\*\*\*\*  
661' LSEEAVLAFEYGYATAEPRVLTIEWAQFGDFANGAQVVIDQFISSGEQKWGRMCGLVMLL  
\*\*\*\*\*  
659' LSEEAVLAFEYGYATAEPRLTIEWAQFGDFANGAQVVIDQFISSGEQKWGRMCGLVMLL  
\*\*\*\*\*  
721' PHGYEGQGPEHSSARLERYLQLCAEQNMQVCVPSTPAQVYHMLRRQALRGMRRPLVVMSP  
\*\*\*\*\*  
719' PHGYEGQGPEHSSARLERYLQLCAEQNMQVCVPSTPAQVYHMLRRQALRGMRRPLVVMSP  
\*\*\*\*\*  
781' KSLLRHPLAISSLELANGSFQPAIGEIDDLDPQGVKRVLCSGKVYYDLLEQRRKDEKT  
\*\*\*\*\*  
779' KSLLRHPLAVSSLEELANGTFLPAIGEIDELDPKGVKRVMCSGKVYYDLLEQRRKNNQH  
\*\*\*\*\*  
841' DVAIVRIEQLYPFPHQAVQEALKAYSHVQDFVWCQEEPLNQGAWYCSQHHFRDVVPFGAT  
\*\*\*\*\*  
839' DVAIVRIEQLYPFPHKAMQEVLLQFAHVKDFVWCQEEPLNQGAWYCSQHHFREVIPIFGAS  
\*\*\*\*\*  
901' LRYAGRPASASPAVGYSVHQQQQDLVNDALNVN  
\*\*\*\*\*  
899' LRYAGRPASASPAVGYSVHQQQQDLVNDALNVE  
\*\*\*\*\*

FIG. 2B



APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

[88.2% / 407 aa]

1' MSSVDILVPDLPESVADATVATWHKKPGDAVSRDEVIVEIETDKVVLEVPASADGVLEAV  
\*\*\*\*\*  
1' MSSVDILVPDLPESVADATVATWHKKPGDAVVRDEVLEIETDKVVLEVPASADGILDAV  
61' LEDEGATVTSRQILGRLKEGNSAGKESSAKAESNDTTPAQRQTASLEEESDALSPAIRR  
\*\*\*\*\*  
61' LEDEGTTVTSRQILGRLREGNSAGKETSAKSEEKASTPAQRQQASLEEQNNDALSPAIRR  
121' LIAEHNLDAAQIKGTGVGGRLTREDVEKHLANKPQAEKAAAPAAGAATAQQPVANRSEKR  
\*\*\*\*\*  
121' LLAEHNLDASAIGTGVGGRLTREDVEKHLAKAPAKE--SAPAAAAPAAQPALAARSEKR  
181' VPMTRLRKRVAERLLEAKNSTAMLTTFNEINMKPIMDLRKQYGDFAFEKRHGVRLLGFMSEY  
\*\*\*\*\*  
179' VPMTRLRKRVAERLLEAKNSTAMLTTFNEVNMKPIMDLRKQYGEAFEKRHGIRLLGFMSEY  
241' IKAVVEALKRYPEVNASIDGEDVVYHNYFDVSIIVSTPRGLVTPVLRDLDALSMADIEKK  
\*\*\*\*\*  
239' VKAVVEALKRYPEVNASIDGDDVVYHNYFDVSMVSTPRGLVTPVLRDLDLGMADIEKK  
301' IKELAVKGRDGKLTVDLTTGGNFTITNGGVFGSLMSTPIINPPQSAILGMHAIKDRPMAV  
\*\*\*\*\*  
299' IKELAVKGRDGKLTVEDLTTGGNFTITNGGVFGSLMSTPIINPPQSAILGMHAIKDRPMAV  
361' NGQVVILPMMYLALSYDHRLIDGRESVGYLVAVKEMLEDPARLLLDV  
\*\*\*\*\*  
359' NGQVEILPMMYLALSYDHRLIDGRESVGLVTKELLEDPTRLLLDV

*FIG. 3*

[95.1% / 41 aa]

1' MNLHEYQAKQLFARYGMPAPTGYACTTPREAEAAASKIGAG  
\*\*\*\*\*  
1' MNLHEYQAKQLFARYGLPAPVGYACTTPREAEAAASKIGAGPWVVKCQVHAGGRGKAGGV

*FIG. 4*

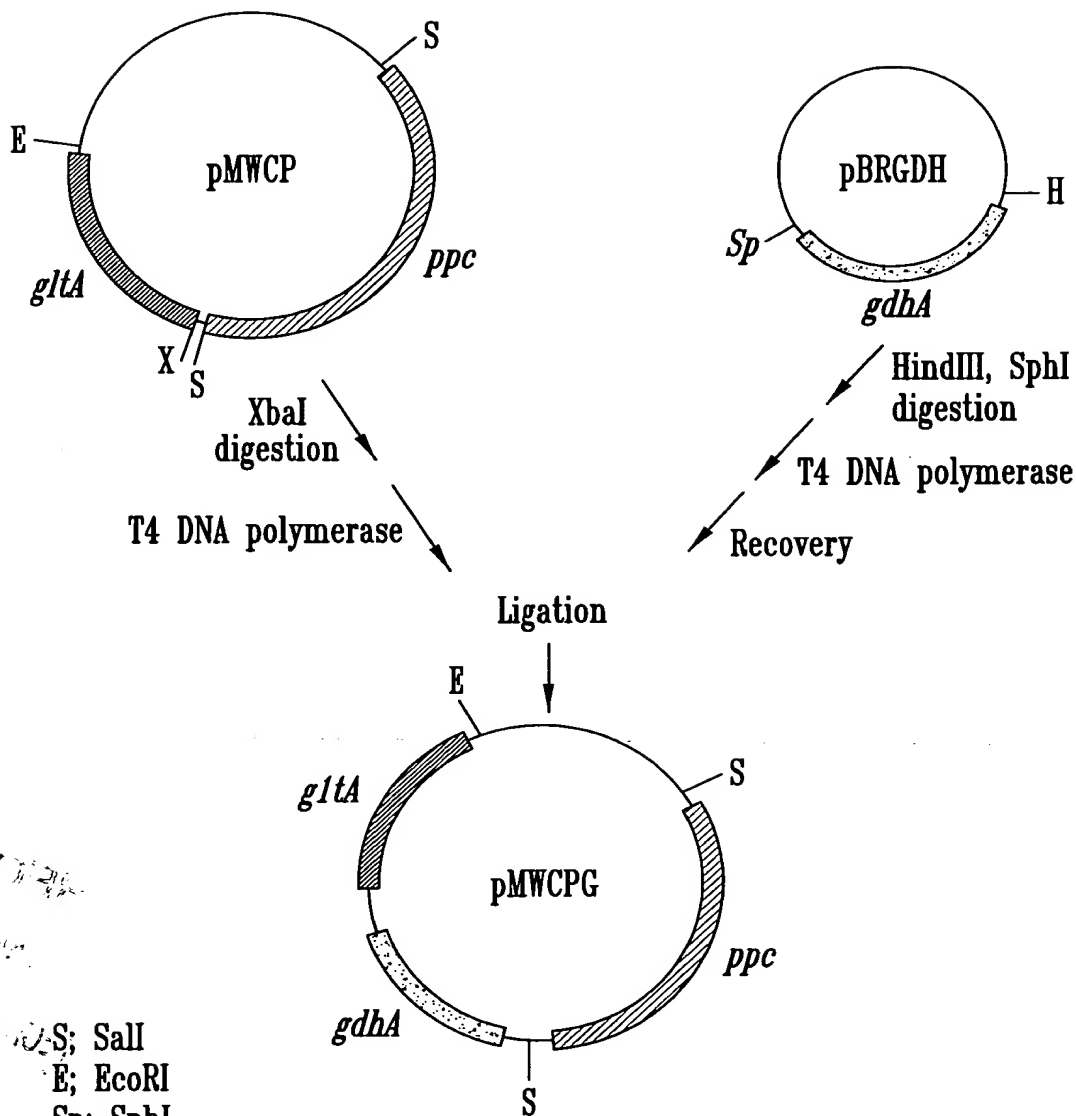
[97.4% / 39 aa]

1' AFSVFRCHSIMNCVSVC PKGLNPTRAIGHIKSM LLQ RSA  
\*\*\*\*\*  
181' FLIDSRDTETDSRLDGLS DAFSVFRCHSIMNCVSVC PKGLNPTRAIGHIKSM LLQ RNA

*FIG. 5*



APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	



S; SalI  
E; EcoRI  
Sp; SphI  
X; XbaI  
H; HindIII

FIG. 6



APPROVED	O.G. FIG.	SUBCLASS
BY	CLASS	
DRAFTSMAN		

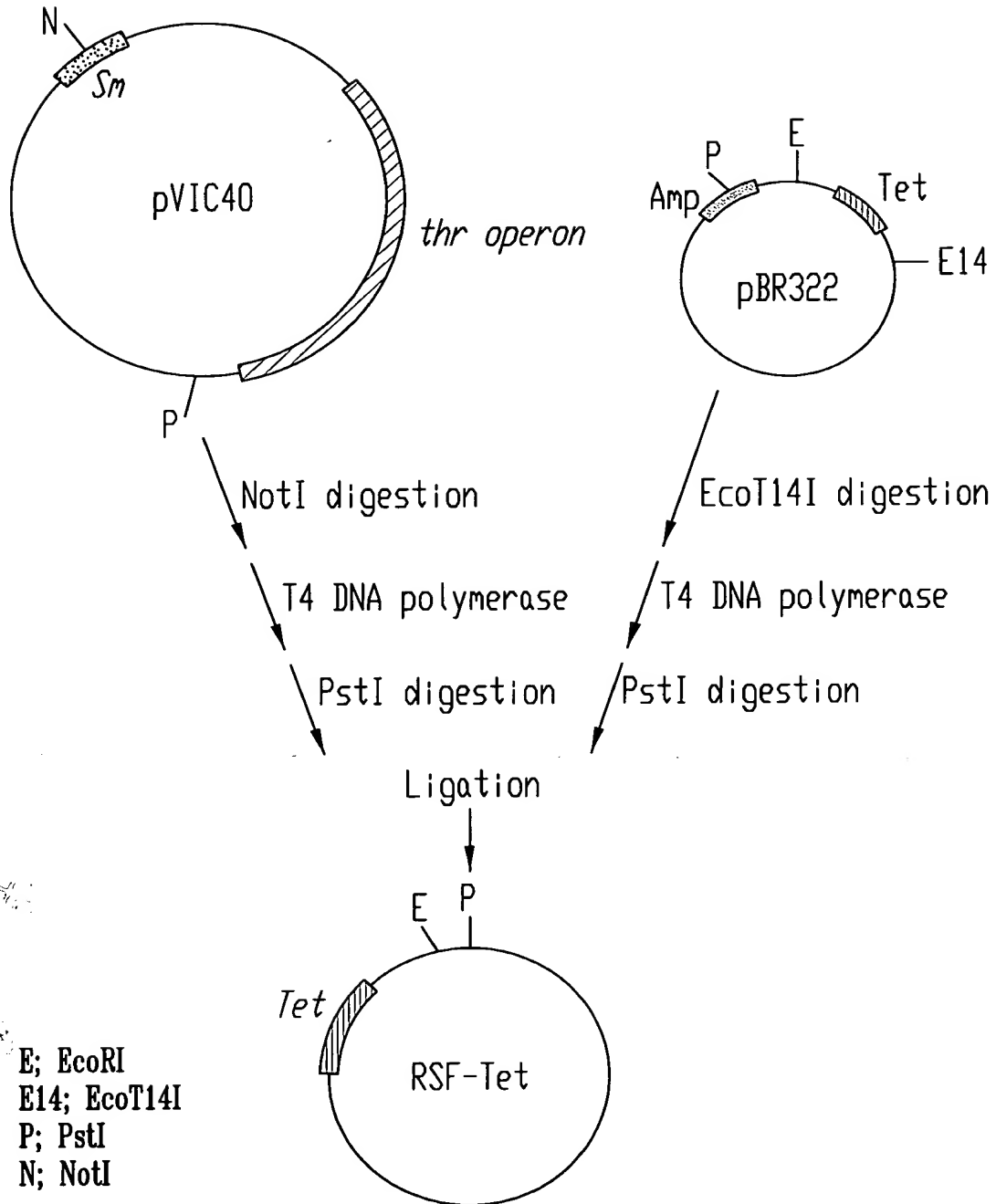
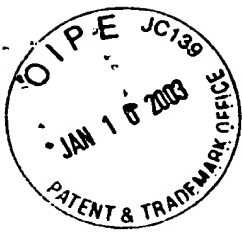
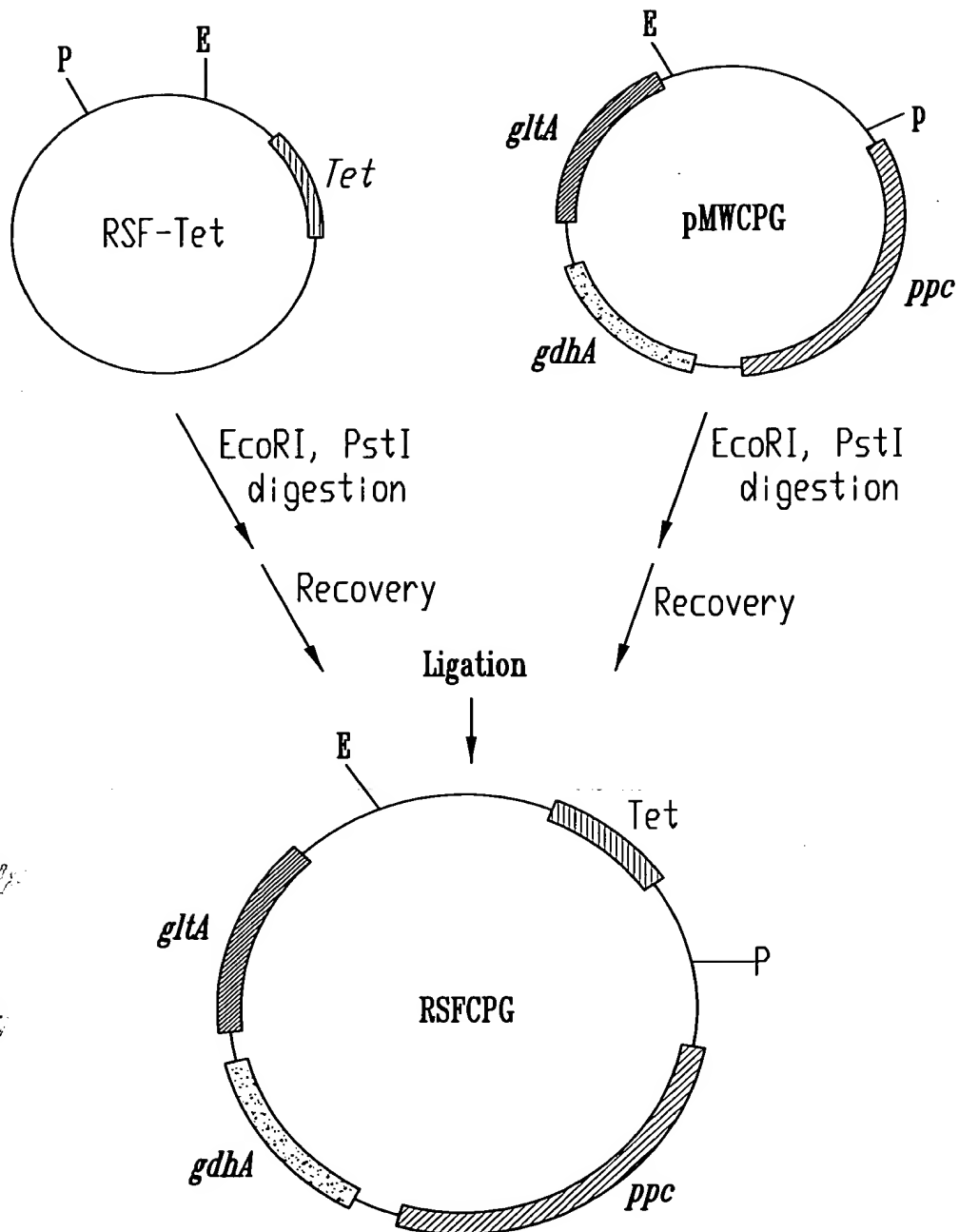


FIG. 7

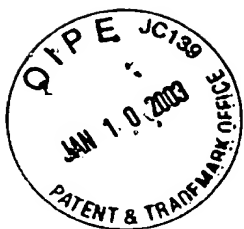


APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		



E; EcoRI  
P; PstI

**FIG. 8**



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

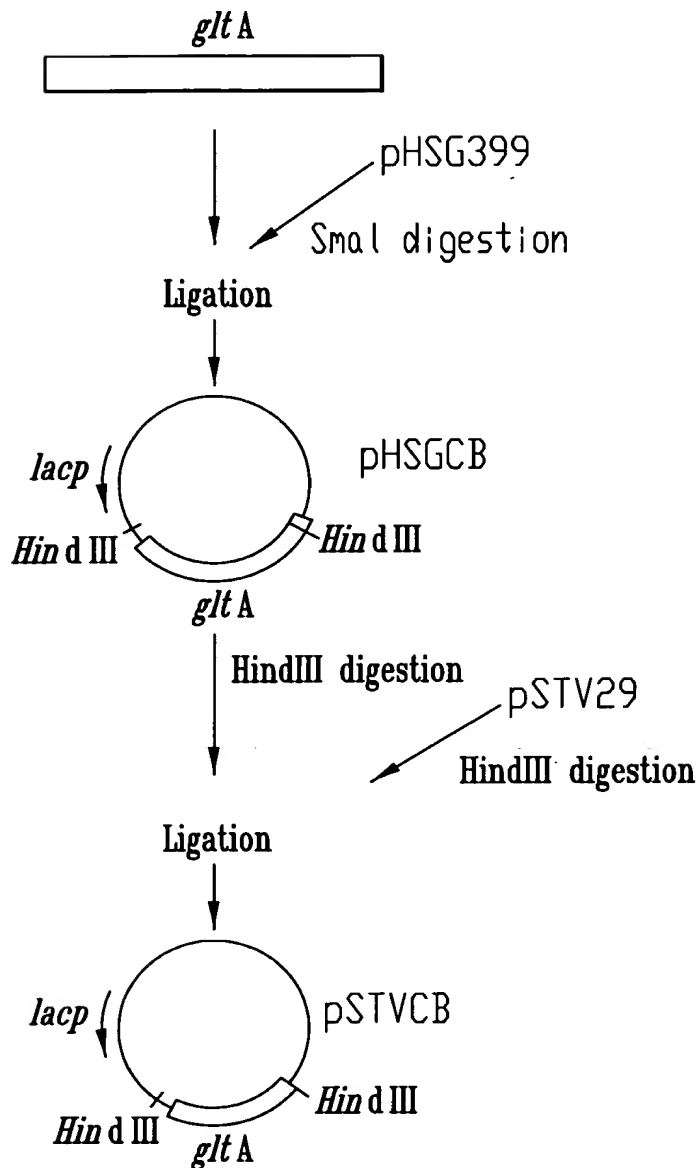


FIG. 9